

A large, beige computer monitor is the central focus of the slide. It is tilted slightly to the left. The screen displays a 3D wireframe model of a dome-like structure, possibly a helmet or a piece of equipment, rendered in blue lines. The monitor has two large, rectangular speakers on either side of the screen. Below the monitor, a portion of a beige computer system unit is visible, showing a floppy disk drive and a CD-ROM drive. In the foreground, the top of a beige keyboard is visible, though it is out of focus. The entire scene is set against a dark blue background with a subtle gradient.

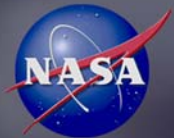
Turbo Tech – Automating the Technical Evaluation Process

Turbo Tech

- *What is Turbo Tech?*
 - *A web-based tool for automating the process of performing Technical Evaluations of proposals submitted by NASA contractors*
- *What does it do?*
 - *Turbo Tech guides users through the process of analyzing the reasonableness of resources proposed by Contractors (labor hours, quantity of material, travel, etc.)*
 - *Turbo Tech facilitates the technical evaluation of proposals while improving the quality of the evaluation*
- *Why is that important?*
 - *A large percentage of NASA's budget is spent via contracts or other acquisition vehicles*
 - *The Government must analyze the reasonableness of Contractor-submitted proposals in order to assure that NASA's budget is wisely spent*
 - *The Technical Evaluation is a critical element of that analysis, and is used to help develop the Government's negotiation position*

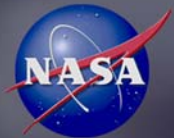
Turbo Tech – Why Is It Needed?

- *Most technical evaluations are done manually using a variety of standard desk top software*
- *Most formats vary widely and there is no uniform process*
- *Many technical evaluations are not good quality*
 - *NASA HQ survey teams and the OIG have identified this as a recurring problem in recent Procurement Management surveys done at Goddard*
- *The process requires manual input of large amounts of proposal data, leading to mathematical errors*
- *Many technical evaluations are not done in a timely manner*
- *New COTRS have no ready source of training for doing technical evaluations*



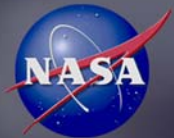
Turbo Tech – Features

- *“Question & Answer” style minimizes the need for training and provides a structured process and standard format*
- *Turbo Tech generates much of the “boiler plate” text, allowing the user to concentrate on the analysis itself*
- *Numerous Help features, a glossary, and a comprehensive “Frequently Asked Questions” section make it easy to use*
- *Contractors can provide an electronic file which may be uploaded, minimizing data entry and reducing mistakes*
- *The output product is a completed written document (Microsoft “Word” format)*
- *Turbo Tech is easily available on the web, and data is adequately protected. No sensitive cost data is contained in Turbo Tech*
- *Past evaluations can be stored and readily accessed*



Turbo Tech – Background

- *The need for Turbo Tech was determined by the GSFC's Flight Programs and Projects Directorate early in CY 2002*
 - *Leadership role provided by Dorothy Tiffany, Program Business Manager, Structures & Evolution of the Universe Program*
- *A Multi-Discipline Team was assembled in April 2002 to develop Turbo Tech*
 - *The 20-person team included substantial experience and expertise in all necessary areas*
 - *GSFC civil servants included experienced Contracting Officers, Contracting Officer Technical Representatives (COTR's), and Resource Analysts*
 - *Contractors provided the necessary expertise in software and web-based tool development*



Turbo Tech – Schedule

Version of 01/06/04

PROJECT / ELEMENT	CY	2002												2003												2004														
		J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D			
Concept Development						6/1	▲					7/31	▲																											
System Requirements Development								8/1	▲															12/31	▲															
Preliminary Design Development														1/1	▲																									
Preliminary Design Review																																								
Software Development																																								
Installation & Acceptance Testing																																								
Pilot Program / System Shakedown																																								
Operational Readiness at GSFC																																								
Outreach Efforts to Other Potential Users																																								

A large, beige computer monitor is the central focus. It displays a 3D wireframe model of a dome-like structure, possibly a spacecraft component, rendered in blue lines. The monitor is flanked by two large, rectangular speakers. Below the monitor is a beige system unit with a floppy disk drive and a CD-ROM drive. In the foreground, a portion of a beige keyboard is visible. The entire setup is set against a dark blue background with a subtle gradient.

Turbo Tech Walk Through

For Additional Information

- *Visit the TurboTech vendor display table*
 - *The Turbo Tech demo is available for your inspection*
- *Visit the Turbo Tech demo web site (access available only to GSFC employees)*
 - *<http://gsfc-turbo.gsfc.nasa.gov:8000/turbo/charterA.jsp>*
- *Contact the GSFC Turbo Tech Team*
 - *John.D.Baniszewski@nasa.gov*
 - *Dorothy.J.Tiffany@nasa.gov*
 - *Sandra.L.Marshall@nasa.gov*

